

Education 198
March 1, 2005

Activity 1: Keyword Search (Article Databases)

1. Select a list of keywords:

- machine learning, artificial intelligence, algorithm, algorithms, algorithmic, schedule, schedules, scheduling
- hepatitis, chimpanzee, chimpanzees, pan troglodytes, vaccine, vaccines, vaccination, vaccinations
- risk, risks, utility, multicriteria decision making, multiple criteria decision making, mcdm
- optoelectronic, optoelectronics, nanotechnology, nanoscale, nanodevices, silica, silicon dioxide, SiO₂

2. Separate them into their core concepts:

Concept 1	Concept 2	Concept 3

3. Construct a search for Web of Science using boolean operators, parentheses and truncation:

4. Choose a subject-specific database for your topic. Revise and perform your search accordingly.

Which database? _____

How many articles did you retrieve? _____

Activity 2: Known Citations (Melvyl)

Using the **Finding with Melvyl** handout as a guide, locate the known citation assigned to you.
Be prepared to discuss the process with the class.

- G.P. Berman, *Introduction to Quantum Computers*. Singapore; River Edge, NJ: World Scientific, 1998.
- I. Stoica, et al, "Chord: a scalable peer-to-peer lookup protocol for Internet applications," *IEEE/ACM Transactions on Networking*, vol. 11, pp.17-32, 2003.

Assignment:

Using the resources and techniques discussed in class today, complete the following two actions:

1. Examine the marked references from the paper that you brought with you today. Choose three (3) of your marked references and use **Melvyl** to locate the full-text (in print or online). Bring the full-text to class on **March 8, 2005**.

If you have problems locating one of your references, visit Brian in the Engineering Library or email him at bquigley@library.berkeley.edu for assistance.

2. Think about the paper that you brought with you today. What is the topic of the paper?

Use **Web of Science** to find one (1) additional paper on this topic. Email the citation and abstract to Brian at bquigley@library.berkeley.edu before your class on **March 8, 2005**.

Use an **appropriate subject-specific database** to find one (1) additional paper on this topic. Email the citation and abstract to Brian at bquigley@library.berkeley.edu before your class on **March 8, 2005**.

To facilitate searching, first break your topic up into its core concepts and brainstorm keywords.

Concept 1	Concept 2	Concept 3

Construct a search using boolean operators, parentheses and truncation.

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If you have problems finding a relevant article, visit Brian in the Engineering Library or email him at bquigley@library.berkeley.edu for assistance.